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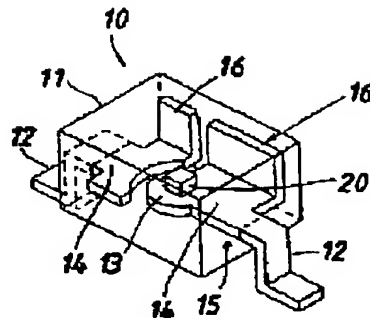
APPLICATION DATE : 28-12-92
APPLICATION NUMBER : 04360074

APPLICANT : CASIO COMPUT CO LTD;

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TITLE : STRUCTURE OF LIGHT-EMITTING
DIODE



ABSTRACT : PURPOSE: To make illumination with a good amount of light available and to eliminate accessories such as a reflecting board by forming a reflecting section which reflects light from a light-emitting diode chip in one direction integrally with a mounting section by bending the mounting section at an angle.

CONSTITUTION: An electrode of a LED chip 20 is connected to an inner lead 14 with bonding wire or without wire. With application of voltage, the LED chip emits light. The LED chip 20 is formed in package by sealing a di-bonding area and the inner lead 14 with transparent sealing resin 11. A mounting section 13 of a lead frame 15 and one side of the inner lead 14 are bent at right angles, to be raised towards the LED chip 20. The raised sections serve as a reflecting section 16 to reflect light from the LED chip 20 in one direction. Since the LED itself has a reflecting function, efficient illumination can be provided.

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